

B&R - X20 System**X20DO4322**

Digital Output Module

Technical specifications

Digital outputs	4
Output variant	Current-sourcing FET
Nominal voltage	24 VDC
Switching voltage	24 VDC -15%/+20%
Nominal output current	0.5 A per channel
Total nominal current	2 A
Output circuit	Source
Connection type	3-wire connections
Special function	OSP mode
Actuator power supply	0.5 A total for output-independent actuator supply
Switching delay	<300 µs on; <300 µs off
Output protection	Thermal shutdown and internal freewheeling diode
Diagnostic status	Output monitoring with 10 ms delay
Off-state leakage current	5 µA

Documented role

B&R X20DO4322 is a four-channel 24 VDC source digital output module with 3-wire connections, actuator supply terminals, integrated protection, and OSP mode for the X20 System.

Documented applications

- Switching four 24 VDC actuators that require current-sourcing outputs
- Distributed 3-wire actuator stations in standard fieldbus control systems
- Machine-control output groups using configured OSP behavior

Selection and installation checks

X20DO4322 is the source-output member of the four-channel 3-wire pair; verify load polarity, the 0.5 A shared actuator-supply allowance, OSP settings, X20TB12, X20BM11 or X20BM15, and saved I/O mapping before replacement.